IWTS FAQ'S

Q. What is IWTS?

Inflatable Walls Training System, or IWTS is a series of inflatable walls that can be connected together to create any structure. This helps the military and police to replicate any target building, recreating every room, corridor, entrance, exit and window so when they face the actual structure they have the appropriate knowledge to make the correct tactical decisions.

Q. Is this product manufactured by Survitec?

Yes. It began as a partnership with the Inflatable Wall Company (IWC) as both a manufacture and distribution agreement. From 2016 we distributed the walls under the IWC brand with the name 'Inflatable Walls'. It has since progressed to a royalty agreement with IWC. Survitec have full creative and commercial control of IWTS. We changed the name slightly to reflect the training element and the system approach. We decided to keep inflatable as this is a core aspect of Survitec. We are experts in inflatable technology, having deployed this in liferafts, lifejackets, g-suits and MES etc for over 90 years. The name Inflatable Walls Training System (IWTS) leverages this strong pedigree.

Q. Where are the walls manufactured?

The walls are currently manufactured at our Dunmurry site in Northern Ireland, UK.

Q. How many variations of the system are there?

There are four different IWTS packages – Level 1, 2, 3 and 4. These have been created based on the original 6 law enforcement and military packages but have been modified to create a more inclusive and integrated package. The new packages include a reduced number of horizontal half walls based upon user feedback, the starting package has a greater area than the standard introductory package previously and the largest package has slightly more area than the previous largest package. There are also two optional extra expansion packages available to further build out IWTS. A complete breakdown of these levels and how the expansion packs integrate can be found in the IWTS brochure and datasheets.

Q. What are the expansion packs and how are they used?

Expansion packs allow users to easily scale up to the next level, without large costs, and provide an endless stream of builds unique to customer resources. Available in two different options, the expansion packs are a quick and easy way to upgrade the IWTS packages and expand the total build.

Q. How does IWTS compare against competitors?

Our competitors use vinyl based systems, PVC foam blocks, frame and fabric screening and wooden partition panels. All of these items can be easily damaged when used with Simunition making them only fit for purpose as a one off. Our systems are durable and can withstand Simunition for over 5 years as a minimum. Competitor system are also cumbersome to build, transport and store with some requiring tools for installation.

Q. What customers currently use the IWTS?

IWTS is used by military and law enforcement across the world including the British Army Officer Training & Infantry Training Schools, British Special Forces & Special Forces Reserves, British RAF Regiment & Reserves, Australian Infantry Regiments, Italian Special Forces and the German Border Police to name a few.

Q. What material are the walls made of?

The walls are made of a two-piece construction of a rubber internal air bladder and tough vinyl outer skin. Together the materials have been designed for longevity, improved construction and a high-quality design standard for tailored inflation and deflation control.

Q. What shapes do the walls come in?

The walls come in 6 different standard shapes including a high wall, wall with door, wall with window, half vertical wall, half horizontal wall and optional breach door wall. These 6 shapes will enable operators to recreate a large number of structures. Custom shapes can be created if desired.

Q. How long does it take to inflate and build a scenario with the walls?

This depends on the size of the scenario. 2 walls can be inflated in under 3 minutes. It would take around 20 minutes to build a simple 2 room structure. An 800sq.ft shoot house can take up to 35 minutes and you could build a small office block in 2 hours.

Q. How many people does it take to build and inflate the walls?

We suggest there are between 3-8 people working on building and inflating the walls system depending on the package size.

Q. What environments are the walls suitable for?

The walls can be used anywhere. They have been deployed in car parks, garages, fields, warehouses and more. They could be deployed on a ship if necessary. They are 100% waterproof, UV resistant and are constructed of durable fabric.

Q. What is the lifespan of the walls?

The walls have a manufacturer warranty of 5 years but they have been designed for heavy duty environments and will last for years on top of this.

Q. What approvals do the walls have?

The Walls are manufactured in a AS9100C and ISO9001:2015 approved facility. The pressure release valve are certified to ISO 9650 and ISO 15738. They are also certified for use with Simunition, non-lethal training ammunition.

Q. How much does a typical IWTS weigh?

The walls vary in weight with the introductory packages weighing 506kg (1115 lbs) and the advanced packages weighing 1,614kg (3558 lbs). Each individual walls weighs roughly 50kg uninflated.

Q. What colours are available?

The walls are available in 4 different variations - tan bricks, camouflage bricks, red bricks and white bricks. The walls can also be customised to any vinyl print to emulate different environments.

Q. Do the walls need servicing?

No, the walls do not need servicing. They can withstand all training ammunition and have a warranty of 5 years.

Q. What accessories are included in each package?

Each walls system includes a pressure gauge, electric air blower, steel anchor weights, inflatable door inserts and a repair kit.

Q. What is FitLight technology and how does it work with IWTS?

FitLight is an interactive targeting system that is placed inside the walls during training. Each target lights up as a different colour for immersive and unpredictable training. Green for civilian, red for target etc. It also has live GPS tracking which provides after action review to measure the accuracy of each shot and reaction times. We frequently partner with Fitlight when demo'ing the system at exhibitions and at customer demonstrations.

Q. What training ammunition can you use against the walls?

IWTS has been tested to withstand Simunition (9mm and 5.56mm), Standard NATO 5.56mm blank ammunition, L83A1 Smoke Grenade, L111 Training Grenade, Hot rifle and pistole barrels and 6 bang distraction devices.

Q. How many trainees can be using the walls at once?

For the Level 1 package its recommended for 4-8 trainees with larger packages holding between 15-20 trainees.